

STIC Search Report

STIC Database Tracking Number: 180225

TO: Ankur Gogia

Location: RND 2B59

Art Unit: 2187

Wednesday, February 22, 2006

Case Serial Number: 10/677114

From: Lucy Park Location: EIC 2100

RND-4B11

Phone: 571-272-8667

lucy.park@uspto.gov

Search Notes

Dear Examiner Gogia,

Here are the search results for your Fast & Focused search request on case number 10/677114. I flagged the results that looked most relevant, but please review all of the results. Please let me know if you have any questions about these or if you need any further information.

Lucy





STIC EIC 2100 / 80225 Search Request Form

	-		-	
Tod	la۱	ı's	Da	ite:

2122/06

What date would you like to use to limit the search?

Priority Date: 10/2/02

Other:

Name Ankur Gogia	Format for Search Results (Circle One):			
AU 2187 Examiner # 81536_	PAPER DISK EMAIL			
	Where have you searched so far?			
Room # 2859 Phone <u>x24166</u>	USP OWPI (EPO JPO ACM IBM TDB)			
Serial # 10 / 677, 114	IEEE INSPEC SPI Other			

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in ElC2100 and on the ElC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Scheduling access to a tope drive

Given a target menter determine the blocks that make up the file. Locate the track that contains each block.

Once the tracks for all blocks are known, sort the read/arite or we to efficiently access the tape drive.

Tape is accessed in serpentine order such that writes done from beginning to end, then end to beginning and so on.

went to access all books in I direction first & and direction after that

block : necord, segment, sector

STIC Searcher	Lucy Park	Phone	e	28667	
Date picked up	2/22/06	Date Completed 2/2	2/06		



STIC Search

```
File
       2:INSPEC 1898-2006/Feb W2
         (c) 2006 Institution of Electrical Engineers
File
       6:NTIS 1964-2006/Feb W1
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
       8:Ei Compendex(R) 1970-2006/Feb W2
File
         (c) 2006 Elsevier Eng. Info. Inc.
      23:CSA Technology Research Database 1963-2006/Feb
File
         (c) 2006 CSA.
      34:SciSearch(R) Cited Ref Sci 1990-2006/Feb W2
File
         (c) 2006 Inst for Sci Info
File
      35:Dissertation Abs Online 1861-2006/Jan
         (c) 2006 ProQuest Info&Learning
File
      65:Inside Conferences 1993-2006/Feb W3
         (c) 2006 BLDSC all rts. reserv.
File
      94:JICST-EPlus 1985-2006/Nov W4
         (c) 2006 Japan Science and Tech Corp(JST)
File
     99:Wilson Appl. Sci & Tech Abs 1983-2006/Jan
         (c) 2006 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Feb 14
         (c) 2006 The Gale Group
File 144: Pascal 1973-2006/Jan W5
         (c) 2006 INIST/CNRS
File 239:Mathsci 1940-2006/Mar
         (c) 2006 American Mathematical Society
File 256:TecInfoSource 82-2006/Feb
         (c) 2006 Info. Sources Inc
? ds
Set
        Items
                Description
S1
       219118
                TAPE? ? OR LINEAR??(3N)STORAGE OR DLT OR SDLT
S2
         3872
                SCHEDUL???(3N) (READ??? OR QUERY??? OR QUERIE? ? OR ACCESS?-
             ??)
S3
        15691
                SERPENTIN?
S4
        56415
                (FIRST OR 1ST OR ONE OR SAME) (3N) DIRECTION? ?
                (SECOND OR 2ND OR TWO OR NEXT OR OTHER OR ANOTHER OR OPPOS-
S5
        88194
             ITE OR SWITCH???) (3N) DIRECTION? ?
S6
      5006062
                SORT??? OR ORDER???
S7
        28549
                S3 OR (S4 AND S5)
S8
                S1 AND S2 AND S7 AND S6
            1
S9
           39
                S1 AND S2
S10
           26
                RD (unique items)
S11
           25
                S10 NOT S8
S12
           21
                S11 NOT PY=2003:2006
                S2 AND S7
S13
           2
S14
           0
                S13 NOT (S8 OR S12)
S15
           12
                S2 AND (S3 OR S4 OR S5)
S16
            0
                S14 NOT (S8 OR S12)
S17
        51330
                (EFFICIEN??? OR FAST?? OR SPEED? ? OR OPTIMI?) (3N) (READ???
             OR QUERY??? OR QUERIE? ? OR ACCESS???)
S18
          395
                S2 AND S17
S19
                S18 AND SORT???
           10
S20
                S19 NOT (S8 OR S12)
           10
S21
           7
                RD (unique items)
                S21 NOT PY=2003:2006
S22
           5
S23
           38
                S2 AND SORT???
S24
           28
                S23 NOT (S8 OR S12 OR S20)
S25
           20
                RD (unique items)
S26
           17
                S25 NOT PY=2003:2006
```

STIC Scorch

```
File 348: EUROPEAN PATENTS 1978-2006/Feb W02
         (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060216,UT=20060209
         (c) 2006 WIPO/Univentio
Set
        Items
                Description
                TAPE? ? OR LINEAR?? (3N) STORAGE OR DLT OR SDLT
S1
       159214
S2
         3463
               SCHEDUL???(3N) (READ??? OR QUERY??? OR QUERIE? ? OR ACCESS?-
            ??)
S3
       12407
              SERPENTIN?
S4
       216205
               (FIRST OR 1ST OR ONE OR SAME) (3N) DIRECTION? ?
S5
       262517
               (SECOND OR 2ND OR TWO OR NEXT OR OTHER OR ANOTHER OR OPPOS-
            ITE OR SWITCH???) (3N) DIRECTION? ?
      1377670 SORT??? OR ORDER???
S6
      110271
S7
               S3 OR S4(S)S5
S8
               S1(S)S2(S)S7(S)S6
           2
S9
          10
               S1(S)S2(S)S7
S10
           8
               S9 NOT S8
           8
S11
               S10 NOT AD=20021002:20060222/PR
S12
          11
               S1(S)S2(S)(S3 OR S4 OR S5)
S13
               S12 NOT S11
           4
S14
          52
               S1(S)S2
S15
      780086
               BLOCK? ? OR RECORD? ? OR SEGMENT? ? OR SECTOR? ?
S16
      181472
               TRACK? ? OR WRAP? ?
S17
          12
               S14(S)S15(S)S16
S18
           9
               S17 NOT (S8 OR S11 OR S13)
           7
S19
               S18 NOT AD=20021002:20060222/PR
S20
           7
               S14(S)SORT???
S21
           3
               S20 NOT (S8 OR S11 OR S13 OR S19)
S22
          21
               S2(S)S7
          7
               S22 AND IC=G06F
S23
S24
           4
               S23 NOT (S8 OR S11 OR S13 OR S19 OR S21)
S25
          56
               S2(S)(S3 OR S4 OR S5)
S26
          40
               S25 NOT (S8 OR S11 OR S13 OR S19 OR S21 OR S23)
S27
          17
               S26 AND IC=G06F
S28
          17
               S27 NOT AD=20021002:20060222/PR
```

STIC Search

File 347: JAPIO Nov 1976-2005/Oct (Updated 060203) (c) 2006 JPO & JAPIO File 350:Derwent WPIX 1963-2006/UD, UM &UP=200612 (c) 2006 Thomson Derwent Set Items Description 418759 TAPE? ? OR LINEAR??(3N)STORAGE OR DLT OR SDLT S1 S2 1196 SCHEDUL???(3N) (READ??? OR QUERY??? OR QUERIE? ? OR ACCESS?-??) 5709 s3 SERPENTIN? (FIRST OR 1ST OR SAME) (3N) DIRECTION? ? S4 117464 S5 226535 (SECOND OR 2ND OR NEXT OR OTHER OR ANOTHER OR OPPOSITE OR -SWITCH???) (3N) DIRECTION? ? S6 754568 SORT??? OR ORDER??? S3 OR (S4 AND S5) S7 41486 S1 AND S2 AND S7 AND S6 S8 0 0 S9 S1 AND S2 AND S7 S10 0 S1 AND S2 AND (S3 OR S4 OR S5) S11 12 S1 AND S2 10 S11 NOT AD=20021002:20060222/PR S12 S13 0 S2 AND S7 S14 3 S2 AND (S3 OR S4 OR S5) S1 AND S2 AND S6 S15 4 S16 1754884 BLOCK? ? OR RECORD? ? OR SEGMENT? ? OR SECTOR? ? S17 274832 TRACK? ? OR WRAP? ? S18 7827 S1 AND S16 AND S17 30730 S19 (EFFICIENT?? OR FAST?? OR SPEED? ?) (3N) (READ??? OR QUERY??? OR QUERIE? ? OR ACCESS???) S20 S18 AND S19 61 S20 AND SCHEDUL??? S21 0 S22 3 S20 AND (S3 OR S4 OR S5) S23 S22 NOT (S12 OR S14 OR S15)

STIC Scorch

Sign in



Web Images Groups News Froogle Local more »

tape drive serpentine sort scheduling

Search Advanced Search Preferences

Web

Results 1 - 10 of about 31,600 for tape drive serpentine sort scheduling. (0.32 seconds)

<u>Citations: the Modeling and Performance Characteristics of a ...</u>

The current simulation results assume a **tape drive** read rate of 1.5MB s and a ... For example for **serpentine** tapes, the **scheduling** policies developed by ... citeseer.ist.psu.edu/context/32334/125054 - 35k - <u>Cached</u> - <u>Similar pages</u>

Scheduling Non-Contiguous Tape Retrievals - Hillyer, Silberschatz ...
... and Performance Characteristics of a Serpentine Tape Drive - Hillyer, ... Scheduling noncontiguous tape retrievals. In Proceedings from Fifteenth IEEE ... citeseer.ist.psu.edu/hillyer98scheduling.html - 20k - Cached - Similar pages
[More results from citeseer.ist.psu.edu]

(PDF) 1 Introduction

File Format: PDF/Adobe Acrobat - <u>View as HTML</u> In 4] a **serpentine tape drive** is studied under model-driven simulation in order ... **SORT**. SCAN. SLTF. Figure 8: **Tape** Libraries ZONED. 5.2. I/O **Scheduling** in ... oswinds.csd.auth.gr/papers/jca01.pdf - <u>Similar pages</u>

[PDF] Improving the Access Time Performance of Serpentine Tape Drives

File Format: PDF/Adobe Acrobat - <u>View as HTML</u> random access I/O requests for a **serpentine tape drive** can. be stated as follows: ... Time usage (s). Number of requests in **schedule**. READ. FIFO. **SORT** ... www.idi.ntnu.no/grupper/db/ research/tech_papers/ICDE99/icde99.pdf - <u>Similar pages</u>

Improving the Access Time Performance of Serpentine Tape Drives
The problem of scheduling such random access I/O requests for a serpentine tape drive can be stated as follows:. Given a list of I/O requests and an initial ...

www.idi.ntnu.no/grupper/db/research/ tech_papers/ICDE99/icde99/icde99.html - 55k - Cached - Similar pages
[More results from www.idi.ntnu.no]

[PS] Scheduling Non-Contiguous Tape Retrievals Bruce K. Hillyer, Avi ...

File Format: Adobe PostScript - View as HTML

As with other **serpentine tape** units, it is difficult topredict the ... The **SORT schedule** is formed by **sorting** the requested logical block numbers into ... www.bell-labs.com/user/hillyer/papers/mss98.ps - <u>Similar pages</u>

[PDF] White Papers - Case Study: Backing Exchange Server

File Format: PDF/Adobe Acrobat - View as HTML

Because of its high velocity, a linear **tape drive** needs more ... an affordable **tape** technology is often a confusing proposition: **sorting** through ... www.spectralogic.com/ index.cfm?fuseaction=home.displayFile&DocID=151 - <u>Similar pages</u>

[PDF] Scheduling Queries for Tape-Resident Data

File Format: PDF/Adobe Acrobat - View as HTML

We use the **SORT** algorithm described in [9] for I/O **scheduling** when fetching ... acteristics of a **serpentine tape drive**. In Proceedings of 1996 ACM ... www.ece.northwestern.edu/ ~choudhar/publications/pdf/MorCho00A.pdf - Similar pages

[PDF] Sony White paper 2

File Format: PDF/Adobe Acrobat - View as HTML

Alon

Sign in



Images Groups News Froogle Local more » tape scheduling algorithms

Advanced Search Search **Preferences**

Web

Results 1 - 10 of about 361,000 for tape scheduling algorithms. (0.39 seconds)

Hierarchical Scheduling Algorithms for Near-Line Tape Libraries ...

Robotic tape libraries RTLs currently enjoy a prominent place in the storage market, with a reported average annual growth rate approaching primarily due to ... citeseer.ist.psu.edu/triantafillou99hierarchical.html - 20k - Cached - Similar pages

Citations: scheduling in online tertiary storage - Hillyer ...

Different scheduling algorithms are applied on various tape libraries configurations in order to show how they impact the optimal data placement strategies. ... citeseer.ist.psu.edu/context/67862/0 - 24k - Cached - Similar pages [More results from citeseer.ist.psu.edu]

Journal of the ACM -- 1981

New real-time simulations of multihead tape units. Journal of the ACM, 28(1):166-180, ... On optimal scheduling algorithms for time-shared systems. ... theory.lcs.mit.edu/~jacm/jacm81.html - 21k - Cached - Similar pages

Journal of the ACM -- 1975

A note on tape-bounded complexity classes and linear context-free grammars. ... Analysis of several task-scheduling algorithms for a model of ... theory.lcs.mit.edu/~jacm/jacm75.html - 21k - Cached - Similar pages [More results from theory.lcs.mit.edu]

[РDF] Hierarchical **Scheduling Algorithms** for Near-Line **Tape** Libraries

File Format: PDF/Adobe Acrobat - View as HTML

efficient scheduling algorithms for tape-based robotic, storage libraries, ... scheduling algorithms for single-tape accesses. ...

www.doc.ic.ac.uk/~igeozg/ Project/Mass/PADD99 compact.pdf - Similar pages

[PDF] Scheduling Queries for Tape-Resident Data

File Format: PDF/Adobe Acrobat - View as HTML

We presented a heuristic algorithm for, scheduling data from a tape library. Our performance results show impressive, gains for synthetic as well as real ... www.ece.northwestern.edu/ ~choudhar/publications/pdf/MorCho00A.pdf - Similar pages

[PS] "Words" to PODS talk: Efficiently sequencing tape-resident jobs ...

File Format: Adobe PostScript - View as HTML

List scheduling algorithms are low complexity algorithms, O(n log n), since they are sort ... To conclude, we studies scheduling of tape resident jobs. ... www.cs.nyu.edu/~shriver/ bell-labs/talks/pods99-talk-words.ps - Similar pages

Task scheduling for tape-resident jobs

We have looked at into the problem of scheduling science algorithms for the NASA EOS data. A subset of the tasks have data that begins on tape, ... www.cs.nyu.edu/~shriver/bell-labs/task-scheduling.html - 4k - Cached - Similar pages

гррті No Slide Title

File Format: Microsoft Powerpoint 97 - View as HTML

The disk-scheduling algorithm should be written as a separate module of the ... Access on tape requires winding the tape reels until the selected block ... www.cs.fit.edu/~dclay/ch14.ppt - Similar pages

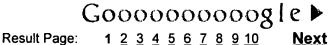
(PPT) No Slide Title

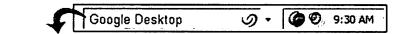
File Format: Microsoft Powerpoint 97 - View as HTML

The disk-scheduling algorithm should be written as a separate module of ... Usually the tape drive is reserved for the exclusive use of that application. ...

www.cse.sc.edu/~buell/csce311/ CSCE311_Spring_03/lecturenotes/slides/ch14.ppt -Similar pages

Try your search again on Google Book Search





Free! Instantly find your email, files, media and web history. Download now.

tape scheduling algorithms Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google ©2006 Google

- Mong



Web Images Groups News tape scheduling scan algorithm

Local more » Search

Advanced Search Preferences

Web

Results 1 - 10 of about 350,000 for tape scheduling scan algorithm. (0.29 seconds)

Froogle

Journal of the ACM -- 1975

Queueing analysis of the scan policy for moving-head disks. ... Analysis of several task-scheduling algorithms for a model of multiprogramming

theory.lcs.mit.edu/~jacm/jacm75.html - 21k - Cached - Similar pages

Sponsored Links

Scheduling Algorithm We've Found the Best 4 Sites about Scheduling Algorithm Best4Sites.net

гррті No Slide Title

File Format: Microsoft Powerpoint 97 - View as HTML Selecting a Disk-Scheduling Algorithm. SSTF is common and has a natural appeal; SCAN and C-SCAN perform better for systems that place a heavy load on the ... www.cse.sc.edu/~buell/csce311/ CSCE311_Spring_03/lecturenotes/slides/ch14.ppt - Similar pages

Glossary

Scanners come in a number of types, including flatbed (scan head passes over a ... Acronym for Secure Hash Algorithm. A technique that computes a 160-bit ... support.microsoft.com/?scid=http://support.microsoft.com%2Fsupport%2Fglossary% 2Fs.asp - Similar pages

[PDF] 1 Introduction

File Format: PDF/Adobe Acrobat - View as HTML I/O Scheduling in a Single Tape. For the validation of the performance of SORT, SCAN and SLF algorithms when implemented on ... oswinds.csd.auth.gr/papers/jca01.pdf - Similar pages

[PDF] Improving the Access Time Performance of Serpentine Tape Drives

File Format: PDF/Adobe Acrobat - View as HTML We propose a new scheduling algorithm, Multi-Pass. Scan Star (MPScan*), which makes good utilization of the. streaming capability of the tape drive and ... www.idi.ntnu.no/grupper/db/ research/tech papers/ICDE99/icde99.pdf - Similar pages

Improving the Access Time Performance of Serpentine Tape Drives We propose a new scheduling algorithm, Multi-Pass Scan Star (MPScan*), which makes good utilization of the streaming capability of the tape drive and avoids ... www.idi.ntnu.no/grupper/db/research/ tech_papers/ICDE99/icde99/icde99.html - 55k -Cached - Similar pages [More results from www.idi.ntnu.no]

Citations: **scheduling** in online tertiary storage - Hillyer ... The MPScan schedule in Figure 2 reduced to one scan. ... Different scheduling algorithms are applied on various tape libraries configurations in order to ... citeseer.ist.psu.edu/context/67862/0 - 24k - Cached - Similar pages

Citations: Disk scheduling revisited - Selzer, Chen, Ousterhout ... For reference, Figure 5 compares these four disk scheduling algorithms for the Atlas 10K disk ... For tape drives, we characterize load and eject times, ... citeseer.ist.psu.edu/context/313104/0 - 37k - Cached - Similar pages [More results from citeseer.ist.psu.edu]

[PDF] Hierarchical Scheduling Algorithms for Near-Line Tape Libraries

File Format: PDF/Adobe Acrobat - View as HTML

efficient scheduling algorithms for tape-based robotic. storage libraries. ... long seeks in

helical scan drives). Also for simplicity, ...

www.doc.ic.ac.uk/~igeozg/ Project/Mass/PADD99 compact.pdf - Similar pages

[PDF] CSE380 - Operating Systems

File Format: PDF/Adobe Acrobat - View as HTML

Floppy, Magnetic disk, Magnetic tape, CD-ROM, DVD... • User interaction ... Disk-Arm

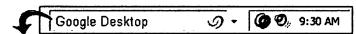
Scheduling. Algorithms. • Elevator (Look):. - Variation of Scan ... www.crypto.com/courses/fall05/cse380/20051101.pdf - Similar pages

Try your search again on Google Book Search



Next

Result Page: 1 <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> 10



Free! Instantly find your email, files, media and web history. Download now.

tape scheduling scan algorithm Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2006 Google